

# SEQUENCE LISTING

<110> He, Biao  
You, Liang  
Xu, Zhidong  
Jablons, David M.

<120> SOCS-3 Promoter Methylation In Cancer

<130> UCSF-374

<140> US 10/570,916

<141> 2006-03-02

<150> PCT/US04/29037

<151> 2004-09-03

<150> US 60/500,659

<151> 2003-09-05

<160> 15

<170> FastSEQ for windows Version 4.0

<210> 1

<211> 850

<212> DNA

<213> Human

<400> 1

```
gcgccttcct ctccgcagcc ccccgggatg cggtagcggc cgctgtgcgg aggccgcgaa 60
gcagctgcag ccgccgccgc gcagatccac gctggctccg tgcgccatgg tcacccacag 120
caagtttccc gccgccggga tgagccgccc cctggacacc agcctgcgcc tcaagacctt 180
cagctccaag agcgagtacc agctgggtgt gaacgcagtg cgcaagctgc aggagagcgg 240
cttctactgg agcgcagtgga ccggcgggcga ggcgaacctg ctgctcagtg ccgagcccgc 300
cggcaccttt ctgatccgcg acagctcgga ccagcgccac ttcttcacgc tcagcgtcaa 360
gacccagtct gggaccaaga acctgcgcac ccagtgtgag gggggcagct tctctctgca 420
gagcgatccc cggagcacgc agcccgtgcc ccgcttcgac tgcgtgctca agctgggtgta 480
ccactacatg ccgccccctg gagccccctc cttccccctg ccacctactg aacctcctc 540
cgaggtgccc gagcagccgt ctgcccagcc actccctggg agtcccccca gaagagccta 600
ttacatctac tccgggggcg agaagatccc cctgggtgtg agccggcccc tctcctccaa 660
cgtggccact cttcagcatc tctgtcggaa gaccgtcaac ggccacctgg actcctatga 720
gaaagtcacc cagctgccgg ggcccattcg ggagttcctg gaccagtacg atgccccgct 780
ttaaggggta aagggcgcaa agggcatggg tcgggagagg ggacgcaggc ccctctcctc 840
cgtggcacat                                     850
```

<210> 2

<211> 225

<212> PRT

<213> Human

<400> 2

```
Met Val Thr His Ser Lys Phe Pro Ala Ala Gly Met Ser Arg Pro Leu
1          5          10          15
Asp Thr Ser Leu Arg Leu Lys Thr Phe Ser Ser Lys Ser Glu Tyr Gln
20          25          30
Leu Val Val Asn Ala Val Arg Lys Leu Gln Glu Ser Gly Phe Tyr Trp
35          40          45
Ser Ala Val Thr Gly Gly Glu Ala Asn Leu Leu Leu Ser Ala Glu Pro
50          55          60
Ala Gly Thr Phe Leu Ile Arg Asp Ser Ser Asp Gln Arg His Phe Phe
65          70          75          80
Thr Leu Ser Val Lys Thr Gln Ser Gly Thr Lys Asn Leu Arg Ile Gln
85          90          95
```

Cys Glu Gly Gly Ser Phe Ser Leu Gln Ser Asp Pro Arg Ser Thr Gln  
 100 105 110  
 Pro Val Pro Arg Phe Asp Cys Val Leu Lys Leu Val Tyr His Tyr Met  
 115 120 125  
 Pro Pro Pro Gly Ala Pro Ser Phe Pro Ser Pro Pro Thr Glu Pro Ser  
 130 135 140  
 Ser Glu Val Pro Glu Gln Pro Ser Ala Gln Pro Leu Pro Gly Ser Pro  
 145 150 155 160  
 Pro Arg Arg Ala Tyr Tyr Ile Tyr Ser Gly Gly Glu Lys Ile Pro Leu  
 165 170 175  
 Val Leu Ser Arg Pro Leu Ser Ser Asn Val Ala Thr Leu Gln His Leu  
 180 185 190  
 Cys Arg Lys Thr Val Asn Gly His Leu Asp Ser Tyr Glu Lys Val Thr  
 195 200 205  
 Gln Leu Pro Gly Pro Ile Arg Glu Phe Leu Asp Gln Tyr Asp Ala Pro  
 210 215 220  
 Leu  
 225

<210> 3  
 <211> 1088  
 <212> DNA  
 <213> Human

<400> 3  
 gtgcagagta gtgactaaac attacaagaa gaccggcccg gcagttccag gaatcggggg 60  
 gcggggcgcg gcggccgcct atatacccg gagcgcggcc tccgcggcg ctccgacttg 120  
 gactccctgc tccgctgctg ccgcttcggc cccgcacgca gccagccgcc cgccgcccgc 180  
 ccggcccagc tcccgcgcgc gccccttgcc gcggtccctc tcctggtccc ctcccggttg 240  
 gtccgggggt gcgcaggggg cagggcgggc gccagggga agctcgaggg acgcgcgcgc 300  
 gaaggctcct ttgtggactt cacggccgcc aacatctggg cgcagcgcg gccaccgctg 360  
 gccgtctcgc cgccgcgctc ccttggggac ccgagggggc tcagcccaa ggacggagac 420  
 ttcgattcgg gaccaggtag gaaggaggag cgcggcgtgg ggaggggtct cgctcagtcc 480  
 cgggagcttt tcccggtttc ccctcccctt cccgggtcat tcccggcagg gaggtgacga 540  
 ggtaggggca gagcggatgg aagccggaga tcccaggttc ccggaatact ccggctgggg 600  
 ccttcgggct tctcctgtcc cctccctacc cctctgcctc gggtttctcc ctccgtccac 660  
 accgcccggg gctactggac tgagcggcgc ccaggcagtc ccggggccct tctcctgtcc 720  
 caaccggca cactcctgag acctaacctt cgcgcgcgag tttccacgc tgcgcccttg 780  
 cagtgcgcgc ctgggaagg gctgcccggg gccaccctgc cggcagggcg ggagccgtgc 840  
 gggctccgtg aggcgcctgg atcggagcgc gggcccagga gagggcccc ggggcagtgg 900  
 gtgccccagt cgctcggcga aggcagggga gccggggcg gcccggcgcg ctggagggtt 960  
 ccgggcactc aacgcgctcg cgccttcctc tccgcagccc cccgggatgc ggtagcggcc 1020  
 gctgtgcgga ggccgcgaag cagctgcagc cgccgccgcg cagatccacg ctggctccgt 1080  
 gcgccatg 1088

<210> 4  
 <211> 22  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer

<400> 4  
 tatatatctcg cgagcgcggt tt 22

<210> 5  
 <211> 17  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Primer

<400> 5  
 cgctgcgccc agatggt 17

<210> 6	
<211> 34	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 6	
tgtggtgggtt gtttatatat ttgtgagtgt gggt	34
<210> 7	
<211> 28	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 7	
caaccaacaa taaccacac tacacca	28
<210> 8	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 8	
gtcaccaca gcaagtttcc	20
<210> 9	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 9	
ccgacagaga tgctgaagag	20
<210> 10	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 10	
gtgtagagta gtgattaaat a	21
<210> 11	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 11	
tccttaaac taaacccct c	21

<210> 12	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 12	
tatatattcg cgagcgcggt tt	22
<210> 13	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 13	
cgctgcgccc agatggt	17
<210> 14	
<211> 34	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 14	
tgtggtgggtt gtttatatat ttgtgagtgt gggt	34
<210> 15	
<211> 28	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Primer	
<400> 15	
caaccaacaa taaccacac tacacca	28